

**Notice of Allowability**

Application No.

10/706,933

Examiner

Yaima Campos

Applicant(s)

KIM ET AL.

Art Unit

2185

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/21/06.
2. ☒ The allowed claim(s) is/are 1-4.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

## DETAILED ACTION

### **I. EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Yoon S. Ham (Reg. No. 45,307) on September 8, 2006.
3. The application has been amended as follows:
4. **Claim 3**, line 10, the word "luck" is changed to **-lock-**.
5. **Claim 3**, lines 15-16, are replaced by **-(b3) wherein, if buffer locking belonging currently is WS (weak shared) and the requested locking is X (exclusive), the ownership authority needs to update-**.
6. **Claim 3**, lines 20 and 26, the word "need" is changed to **-needs-**.
7. **Claim 4**, line 5, replace "(WX, X)" by **-WX, X (weak exclusive, exclusive)-**.

### **II. REASONS FOR ALLOWANCE**

8. The following is an examiner's statement of reasons for allowance:
9. Per the instant office action, **claims 1-4** are considered as allowable subject matter.
10. As per **claims 1 and 2**

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The primary reasons for allowance of claim 1 in the instant application is the combination with the inclusion in this claim of the limitation of a buffer allocation method supporting a consistency maintenance policy **“based on a scheme mode to buffer lock mode matrix”** defined within the claim language.

Dependent **claim 2** is allowable at least for the reasons recited above as including all of the limitations of the allowable independent base claim upon which it depends.

11. As per **claim 3**

The primary reasons for allowance of claim **3** in the instant application is the combination with the inclusion in this claim of the limitation of a method for processing a global locking request in a Database Management System wherein **“determining whether the system is not compatible to a requested lock according to a buffer lock compatibility matrix”** defined within the claim language.

12. As per **claim 4**

The primary reasons for allowance of claim **4** in the instant application is the combination with the inclusion in this claim of the limitation of a method of a global locking manager for processing a locking authority wherein **“updating a currently owned buffer locking mode to satisfy a buffer locking mode requested by a remote system using a buffer lock revocation matrix”** defined within the claim language.

13. The prior art of record neither anticipates nor renders obvious the above-recited combinations.

14. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **III. DIRECTION OF FUTURE CORRESPONDENCES**

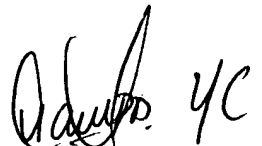
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yaima Campos whose telephone number is (571)272-1232. The examiner can normally be reached on Monday to Friday 8:30 AM to 5:00 PM.

#### **IMPORTANT NOTE**

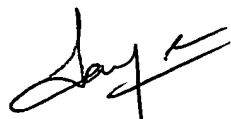
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sanjiv Shah can be reached on (571)272-4098. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

September 8, 2006

  
Yaima Campos  
Examiner  
Art Unit 2185

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SANJIV SHAH  
PRIMARY EXAMINER